

CLAIMS

We claim:

1. A method for creating a node in a node map for a user interface in a
5 computing device, comprising:
receiving a user instruction for initiating creation of the new node;
receiving node information from the user;
generating a new node with the received node information; and
listing the new node in a node list.
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2. The method of claim 1, further comprising creating an edge from the new
node to a parent node, wherein said parent node is origination point for the new node.
3. The method of claim 2, further comprising adding information regarding
15 the created edge to an edge list.
4. The method of claim 3, wherein the new node is named by a user.
5. The method of claim 1, further comprising determining existence of an
20 earlier node having node information identical to said new node, after said receiving node
information.

6. The method of claim 5, wherein said earlier node is identical to said new node.

7. The method of claim 6, further comprising identifying said earlier node
5 and said new node having identical node information.

8. The method of claim 1, wherein said node information discloses node type
of said new node.

9. The method of claim 8, wherein said node type indicates the presence of
an attachment associated with said new node.

10. The method of claim 9, further comprising receiving indication of an
attachment type from the user.

11. The method of claim 10, further comprising receiving content for
attachment to said new node.

12. The method of claim 8, wherein said node type indicates presence of an
20 action associated with said new node.

13. The method of claim 12, wherein said action is one of calling another
human, printing, locating an object of interest, collaborating with others, text, chat and message.

14. The method of claim 8, wherein said node type indicates presence of an application associated with said new node.

5 15. The method of claim 8, wherein said node type indicates presence of an outlined entry associated with said new node.

10 16. The method of claim 15, wherein said outlined entry is one of contact, recipe, time, location, and message.

17. The method of claim 8, further comprising deleting said new node.

15 18. The method of claim 17, wherein said deleting is initiated when the user selects said new node and makes a selection to delete said new node is displayed on said user interface.

19. The method of claim 8, further comprising moving said new node to a new location on the map.

20 20. The method of claim 8, wherein said map is navigated recursively.

21. The method of claim 20, further comprising:

a. receiving user selection for a first node;

- b. moving said first node to the center of the map;
- c. displaying first level children nodes of said first node in the center of the map;
- d. displaying children nodes of said first level children nodes;
- e. receiving user selection for a second node; and
- f. repeating steps (a)-(e) for said second node.

22. The method of claim 8, further comprising editing information on the map in response to a user selection.

23. A map for a user interface in a computing device, said map displayed on a terminal of the computing device, comprising:

- a. a first individual node and a second individual node; and
- b. a first node category and a second node category, said first node category

5 comprising said first individual node therein and said second node category comprising said second individual node therein, said first individual node related to said first node category and said second individual node related to said second node category,

wherein said first individual node is related to said second individual node, such that a user accesses information in said second individual node by beginning navigation from said first individual node.

24. The map of claim 23, wherein the user accesses information in said first node category by beginning navigation from said first individual node, or the user accesses information in said second node category by beginning navigation from said second individual node.

25. The map of claim 23, wherein the user accesses information in said first individual node by beginning navigation from said first node category, or the user accesses information in said second individual node by beginning navigation from said second node category.

26. The map of claim 23, wherein said first node category is related to said second node category, such that the user accesses information in said first node category by

beginning navigation from said second node category, or the user accesses information in said second node category by beginning navigation from said first node category.

27. The map of claim 23, wherein said first individual node and said second individual node are classified in accordance with a task associated therewith.

28. The map of claim 27, wherein said task is one of an action, application initiation module, attachment and outlined entry.

29. The map of claim 28, wherein said map depicts the relationship between said first individual node and said second individual node in the form of an edge.

30. The map of claim 28, wherein said application initiation module is a link to an application, said application being external to said map.

31. The map of claim 28, wherein said file attachment is a second map, said second map being a submap of the map.

32. The map of claim 28, wherein said map is viewed in tree mode as well as in graph mode, said viewing dependent on user's preference of user interface.

33. The map of claim 28, wherein said map is displayed in a structural view.

34. The map of claim 28, wherein said map is displayed in a procedural view.

35. The map of claim 28, wherein said map is displayed in a temporal view.

36. The map of claim 28, wherein said map is displayed in a spatial view.

37. The map of claim 28, wherein said map is organized based on the user's physical location.

38. The map of claim 28, wherein said map is organized based on the user's societal role.

39. The map of claim 28, wherein said map depicts the relationship between said first individual node and said second node category in the form of an edge.

40. The map of claim 28, wherein said map depicts the relationship between said first node category and said second node category in the form of an edge.

41. The map of claim 23, wherein said first node category and said second node category are classified in accordance with a task associated therewith.

42. The map of claim 41, wherein said task is one of an action, application initiation module, attachment and outlined entry.

43. The map of claim 42, wherein said map depicts the relationship between said first individual node and said second individual node in the form of an edge.

5 44. The map of claim 42, wherein said application initiation module is a link to an application, said application being external to said map.

45. The map of claim 42, wherein said file attachment is a second map, said second map being a submap of the map.

10 46. The map of claim 42, wherein said map is viewed in tree mode as well as in graph mode, said viewing dependent on user's preference of user interface.

15 47. The map of claim 42, wherein said map is displayed in a structural view.

48. The map of claim 42, wherein said map is displayed in a procedural view.

49. The map of claim 42, wherein said map is displayed in a temporal view.

20 50. The map of claim 42, wherein said map is displayed in a spatial view.

51. The map of claim 42, wherein said map is organized based on the user's physical location.

52. The map of claim 42, wherein said map is organized based on the user's societal role.

53. A system for creating a node in a node map for a user interface in a computing device, comprising:

means for receiving a user instruction for initiating creation of the new node;

means for receiving node information from the user;

5 means for generating a new node with the received node information; and

means for listing the new node in a node list.

54. The system of claim 53, further comprising means for creating an edge from the new node to a parent node, wherein said parent node is origination point for the new node.

55. The system of claim 54, further comprising means for adding information regarding the created edge to an edge list.

15 56. The system of claim 55, wherein the new node is named by a user.

57. The system of claim 53, further comprising means for determining existence of an earlier node having node information identical to said new node, after said receiving node information.

20 58. The system of claim 57, wherein said earlier node is identical to said new node.

59. The system of claim 58, further comprising means for identifying said earlier node and said new node having identical node information.

60. The system of claim 53, wherein said node information discloses node type of said new node.

61. The system of claim 60, wherein said node type indicates the presence of an attachment associated with said new node.

62. The system of claim 61, further comprising means for receiving indication of an attachment type from the user.

63. The system of claim 62, further comprising means for receiving content for attachment to said new node.

64. The system of claim 60, wherein said node type indicates presence of an action associated with said new node.

65. The system of claim 64, wherein said action is one of calling another human, printing, locating an object of interest, collaborating with others, text, chat and message.

66. The system of claim 60, wherein said node type indicates presence of an application associated with said new node.

67. The system of claim 60, wherein said node type indicates presence of an outlined entry associated with said new node.

5 68. The system of claim 67, wherein said outlined entry is one of contact, recipe, time, location, and message.

69. The system of claim 60, further comprising means for deleting said new node.

10 70. The system of claim 69, wherein said deleting is initiated when the user selects said new node and makes a selection to delete said new node is displayed on said user interface.

15 71. The system of claim 70, further comprising means for moving said new node to a new location on the map.

72. The system of claim 60, wherein said map is navigated recursively.

20 73. The system of claim 72, further comprising:

- a. means for receiving user selection for a first node;
- b. means for moving said first node to the center of the map;

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74. The system of claim 60, further comprising means for editing information

75. A system for creating a node in a node map for a user interface in a computing device, comprising:

- a. a memory; and
- b. a processing unit in communication with said memory, said processing

5 unit configured for:

receiving a user instruction for initiating creation of the new node;

receiving node information from the user;

generating a new node with the received node information; and

listing the new node in a node list.

76. The system of claim 75, wherein said processing unit is further configured for creating an edge from the new node to a parent node, wherein said parent node is origination point for the new node.

77. The system of claim 76, wherein said processing unit is further configured for adding information regarding the created edge to an edge list.

78. The system of claim 77, wherein the new node is named by a user.

79. The system of claim 75, wherein said processing unit is further configured for determining existence of an earlier node having node information identical to said new node, after said receiving node information.

80. The system of claim 79, wherein said earlier node is identical to said new node.

81. The system of claim 80, wherein said processing unit is further configured
5 for identifying said earlier node and said new node having identical node information.

82. The system of claim 75, wherein said node information discloses node
type of said new node.

83. The system of claim 82, wherein said node type indicates the presence of
10 an attachment associated with said new node.

84. The system of claim 83, wherein said processing unit is further configured
for receiving indication of an attachment type from the user.

85. The system of claim 82, wherein said processing unit is further configured
for receiving content for attachment to said new node.

86. The system of claim 82, wherein said node type indicates presence of an
20 action associated with said new node.

87. The system of claim 86, wherein said action is one of calling another
human, printing, locating an object of interest, collaborating with others, text, chat and message.

88. The system of claim 82, wherein said node type indicates presence of an application associated with said new node.

5 89. The system of claim 82, wherein said node type indicates presence of an outlined entry associated with said new node.

10 90. The system of claim 89, wherein said outlined entry is one of contact, recipe, time, location, and message.

15 91. The system of claim 82, wherein said processing unit is further configured for deleting said new node.

20 92. The system of claim 91, wherein said deleting is initiated when the user selects said new node and makes a selection to delete said new node is displayed on said user interface.

93. The system of claim 92, wherein said processing unit is further configured for moving said new node to a new location on the map.

94. The system of claim 82, wherein said map is navigated recursively.

95. The system of claim 94, wherein said processing unit is further configured

for:

- a. means for receiving user selection for a first node;
- b. means for moving said first node to the center of the map;
- 5 c. means for displaying first level children nodes of said first node in the
center of the map;
- d. means for displaying children nodes of said first level children nodes;
- e. means for receiving user selection for a second node; and
- f. means for repeating steps (a)-(e) for said second node.

96. The system of claim 82, wherein said processing unit is further configured
for editing information on the map in response to a user selection.